

# Patent Abstracts of Japan

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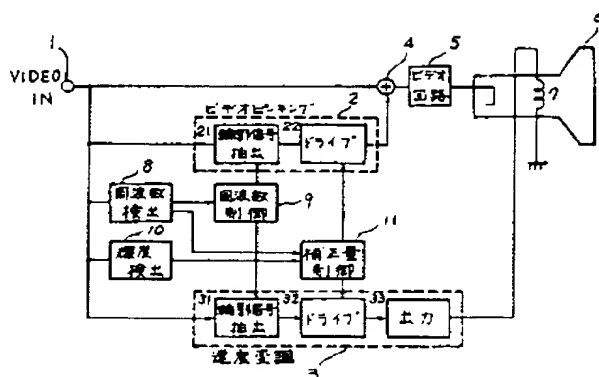
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**APPLICANT : HITACHI LTD:**

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**TITLE : PICTURE QUALITY ADJUSTING  
CIRCUIT**



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**ABSTRACT :** PURPOSE: To perform an optimum contour emphasis with respect all input video signals by detecting the average value of a signal level and the frequency component and changing the rate of the quantity of the correction of a video peaking and a speed modulation according to the detected output.

**CONSTITUTION:** The input video signal is inputted to a frequency detecting circuit 8 to detect the frequency band of the input video signal. This frequency detecting output is inputted to a frequency control circuit 9. A contour emphasizing central frequency in the video peaking and the speed modulation is changed according to the detected output. Thereby, an optimum frequency is emphasized with respect to all input video signal frequency components. Then, the input video signal is inputted to a brightness detection circuit 10 to be a brightness detecting output signal. This brightness detecting output and the previous frequency detecting output are inputted to a correction quantity control circuit 11. The rate of the correction quantity of the video peaking and the speed modulation is changed by the two detecting outputs. Thereby, according to the brightness and the frequency of the video signal, the rate of the correction quantity is changed a sharpness effect is more remarkably improved.

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